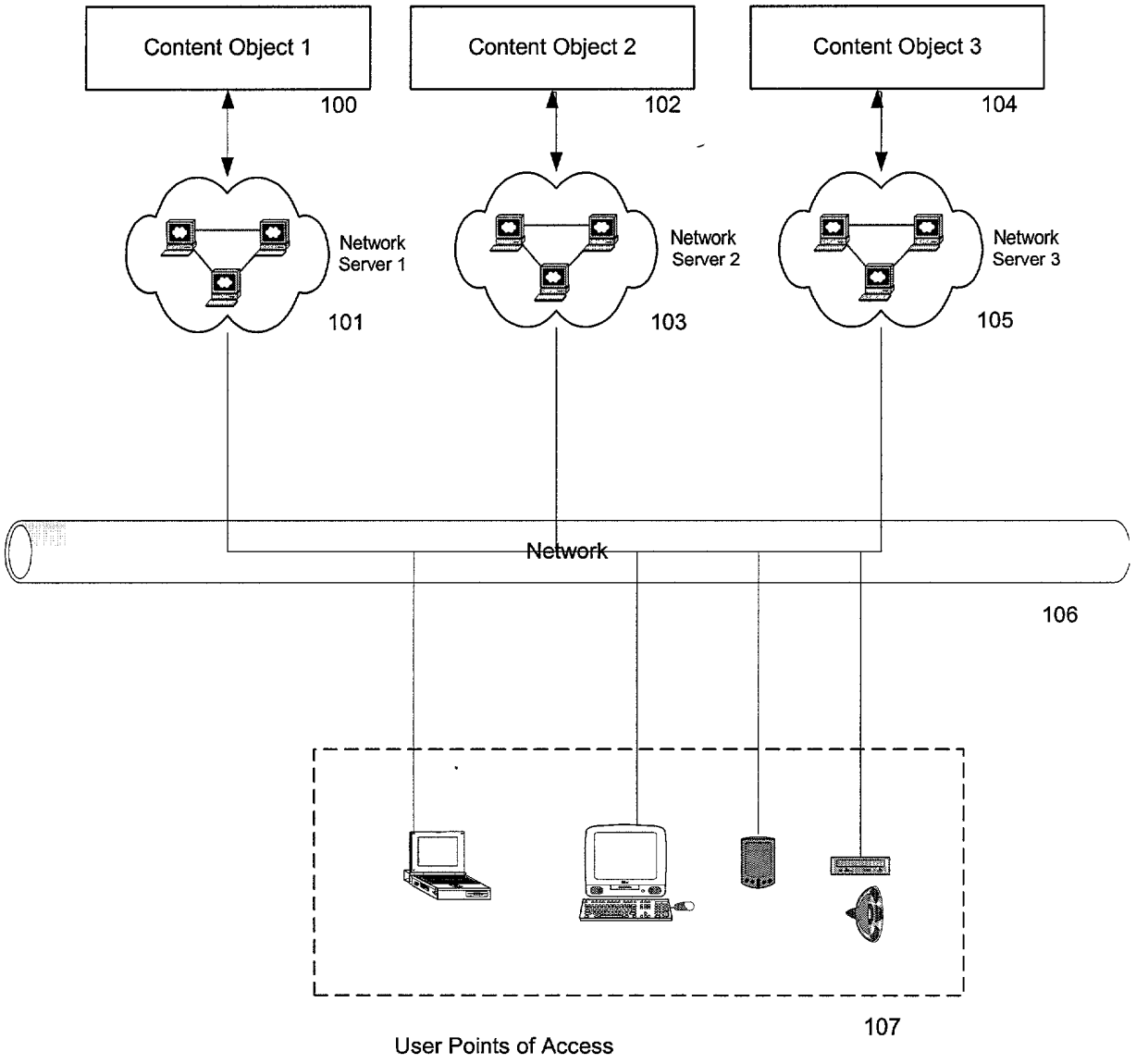
Content Object 1
Content Object 2
Content Object 3
100
102
104
Network Server 1
Network Server 2
Network Server 3
101
103
105
Network
106
107
User Points of Access

Figure 1

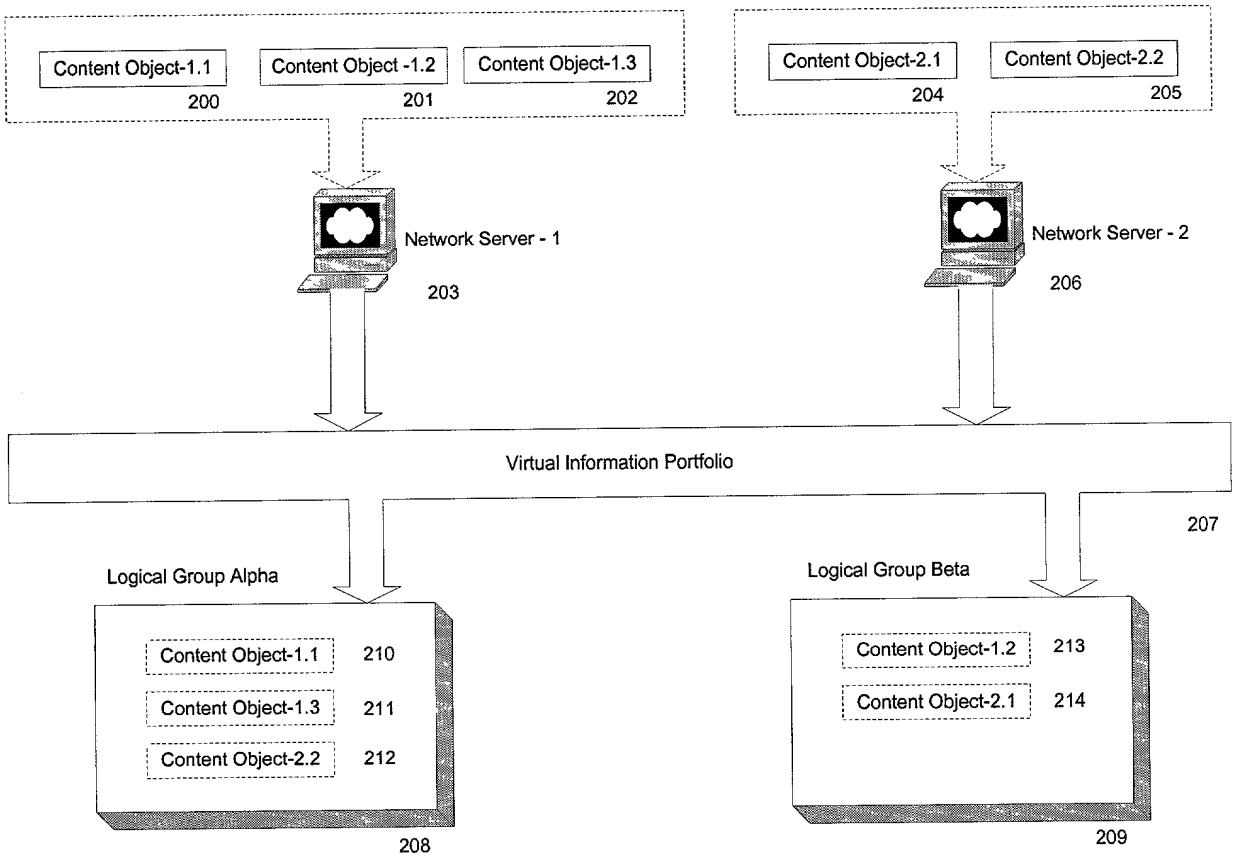
Content Object-1.1
200
Content Object -1.2
201
Content Object-1.3
202
Content Object-2.1
204
Content Object-2.2
205
Network Server - 1
203
Network Server - 2
206
Virtual Information Portfolio
207
Logical Group Alpha
Content Object-1.1
210
Content Object-1.3
211
Content Object-2.2
212
208
Logical Group Beta
Content Object-1.2
213
Content Object-2.1
214
209

Figure 2

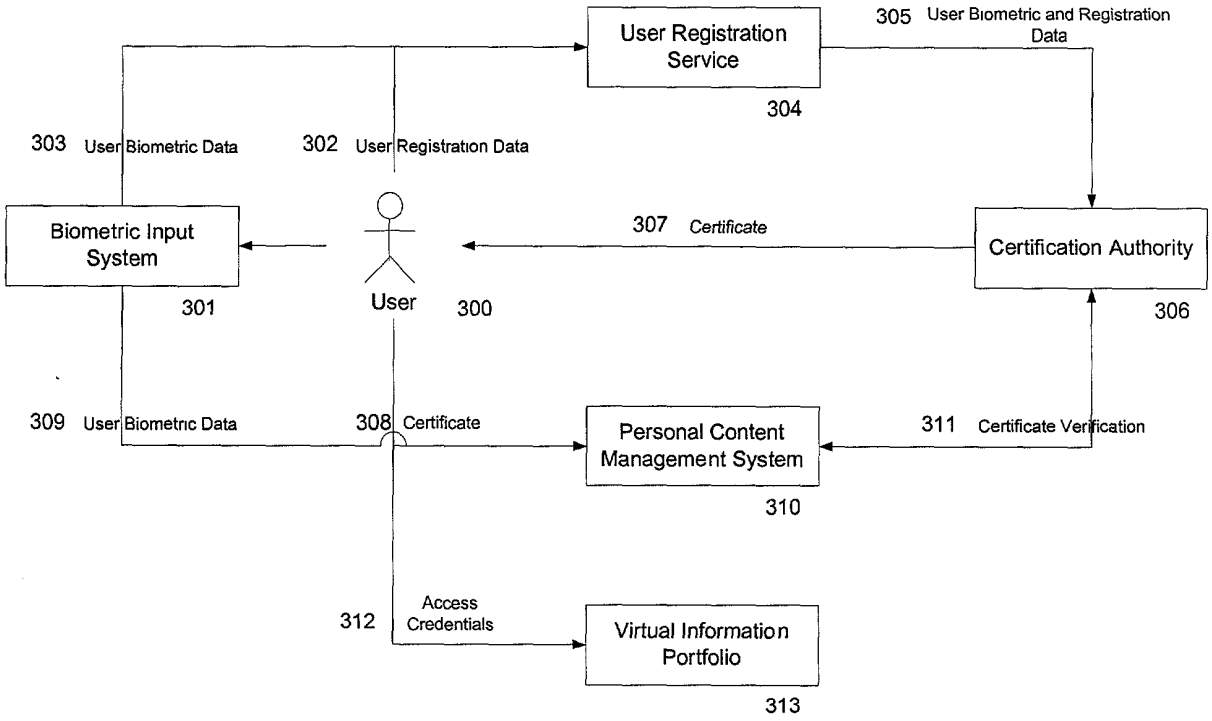
User Registration Service
304
305 User Biometric and Registration Data
303 User Biometric Data
302 User Registration Data
Biometric Input System
301
User
300
307 Certificate
Certification Authority
306
309 User Biometric Data
308 Certificate
Personal Content Management System
310
311 Certificate Verification
312 Access Credentials
Virtual Information Portfolio
313

Figure 3

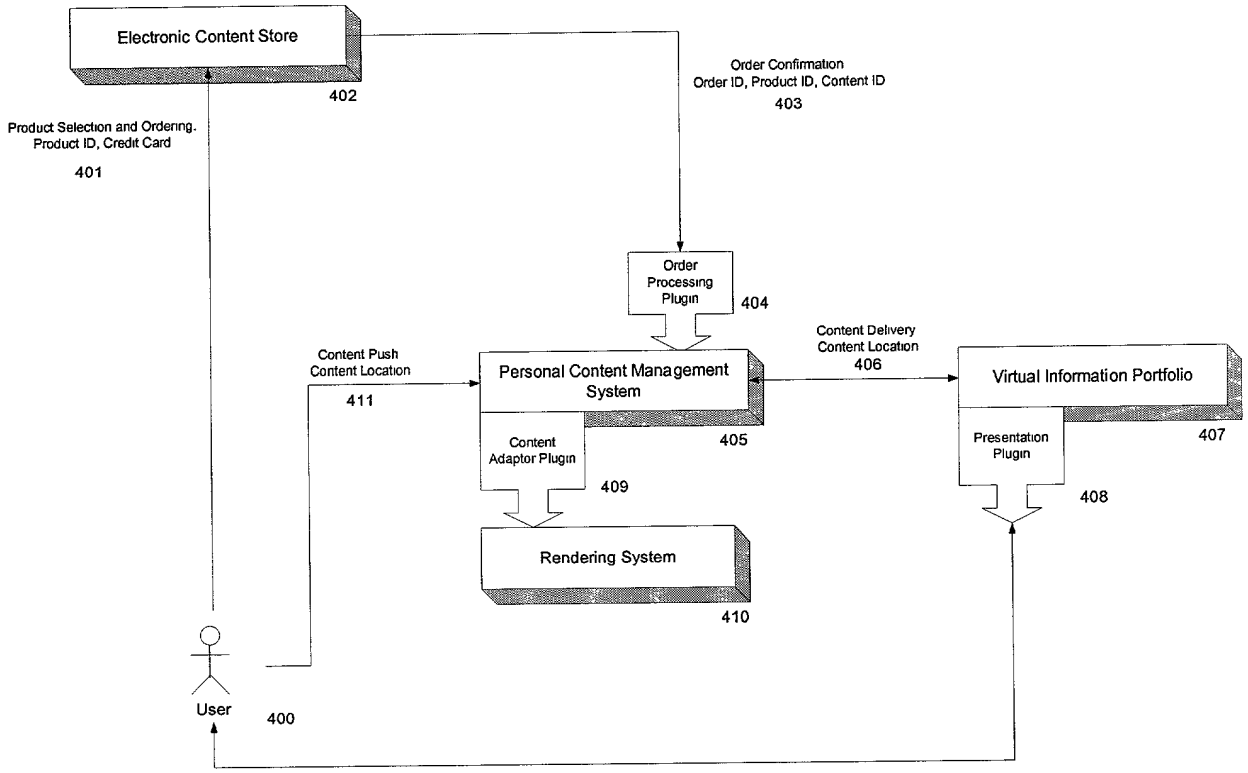
Electronic Content Store
402
Order Confirmation
Order ID, Product ID, Content ID
403
Product Selection and Ordering.
Product ID, Credit Card
401
Order
Processing
Plugin
404
Content Push
Content Location
411
Personal Content Management
System
405
Content Delivery
Content Location
406
Virtual Information Portfolio
407
Content
Adaptor Plugin
409
Presentation
Plugin
408
Rendering System
410
User
400

Figure 4

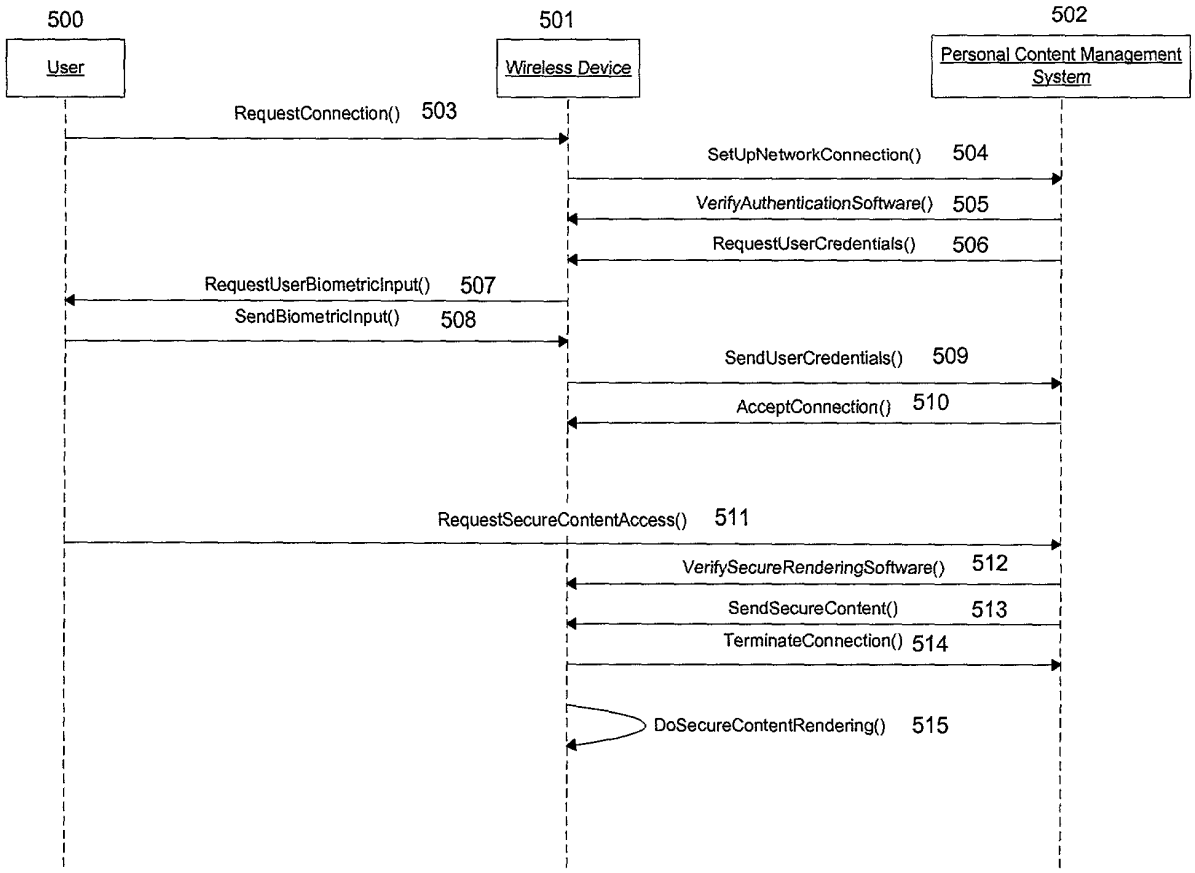
500
User
501
Wireless Device
502
Personal Content Management System
RequestConnection() 503
SetUpNetworkConnection() 504
VerifyAuthenticationSoftware() 505
RequestUserCredentials() 506
RequestUserBiometricInput() 507
SendBiometricInput() 508
SendUserCredentials() 509
AcceptConnection() 510
RequestSecureContentAccess() 511
VerifySecureRenderingSoftware() 512
SendSecureContent() 513
TerminateConnection() 514
DoSecureContentRendering() 515

Figure 5

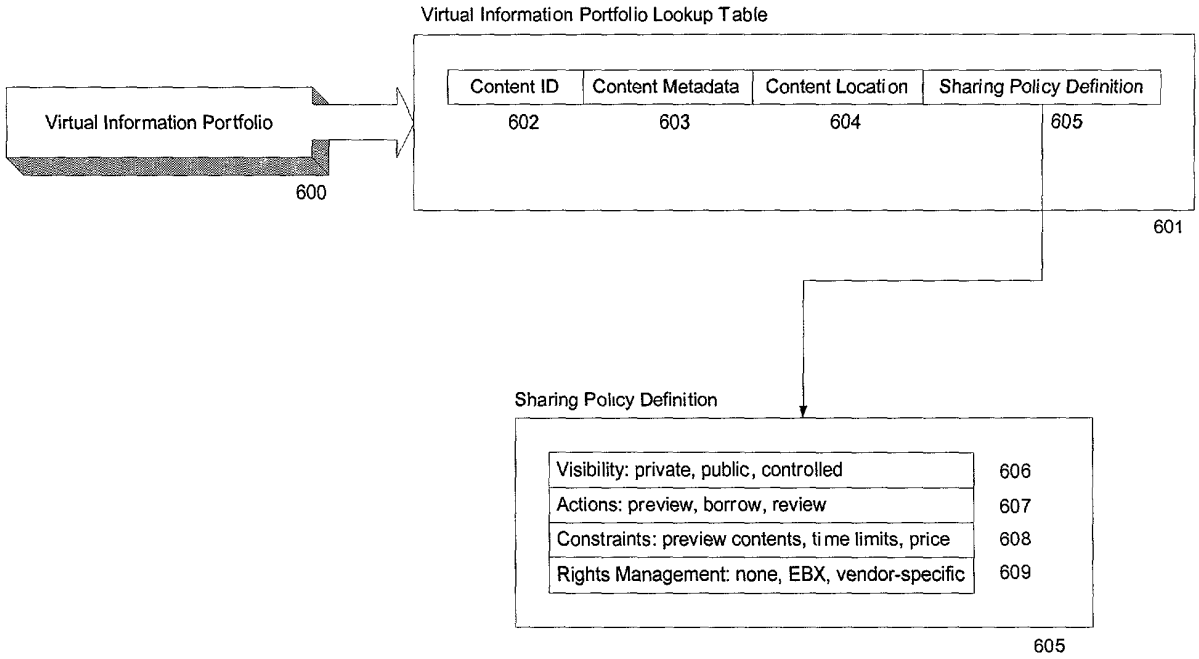
Virtual Information Portfolio Lookup Table
Content ID
Content Metadata
Content Location
Sharing Policy Definition
602
603
604
605
Virtual Information Portfolio
600
601
Sharing Policy Definition
Visibility: private, public, controlled
606
Actions: preview, borrow, review
607
Constraints: preview contents, time limits, price
608
Rights Management: none, EBX, vendor-specific
609
605

Figure 6